Harold Cabalic

Software Engineer - Frontend since 2008, Backend from '20–23

San Diego, CA
(858) 610-8216
hcabalic@gmail.com
https://besseddrest.github.io/

EXPERIENCE

Subtrak, *Senior Software Engineer, subtrak.com*

JULY 2023 - PRESENT

Initially brought on to assess performance issues with React (JS) + Redux SaaS product, but has developed into a Technical Advisor type role. Gradually providing more mentorship of the engineers who built current version, and now being asked to contribute to overall application architecture. Subtrak is currently approaching beta release. This includes:

- Address data flow within components and simplify component design
- Overhaul and design of current REST API in an effort to follow industry best practices
- Determine if current SQL db design will need refactoring to work efficiently with new API, handle scale of app data in future
- Identify critical, necessary changes that will take Subtrak codebase/stack/application to the next level
- Document roadmap leading up to v1 release

Pinterest, San Francisco — *Data Platform Software Engineer*

FEBRUARY 2020 - JANUARY 2023 (VIA DEWINTER GROUP LLC)

A member of the KV Systems team, providing the most widely used key/value storage service for our engineers. In addition to backend, I got to work on UI applications that benefitted both our team and clients

- Developed KVStore App, a React+Redux/Typescript UI for dataset requests. This replaced JIRA & expedited the dataset request process
    - KVStore App at a high level was Form + Queue components
    - Form data validated with Yup & submitted to MySQL
    - Dataset metadata allowed team to interface with our other services, which included backups, migration, auto dataset creation
- Developed KVStore Metadata, another UI tool in React/Typescript
    - user-friendly, filterable table of dataset metadata
    - improved visibility of all dataset use cases, used by all engineers in Data Engineering org
- Developed generic k/v client interface in JAVA, REST API in Python and support for usage
- Fine-tuning & provisioning clusters with AWS instances
    - changing instance types on legacy storage clusters to increase storage space (with minimal reduction in speed) for thousands in cost savings, and increased stability
    - ensuring that cluster is provisioned from AWS subnets that have ample instances in specific availability zones

SKILLS

Encourages clear communication within team

Flexible in driving projects, and proud role-player

Humbly adapts to the changing needs of the org

Accepts peer guidance, but loves tutoring colleagues

Open minded and accountable

Effective in high-stress situations - father of twins

TECHNOLOGY

React, Redux, NextJS

REST, GraphQL

NodeJS, Express

Bootstrap, TailwindCSS

Git/SVN

Drupal, Wordpress, Shopify

IntelliJ IDEA, VS Code

Photoshop, Zeplin, Sketch

AWS

LANGUAGES

Javascript/Typescript

CSS/SCSS

HTML

Python

JAVA

MySQL

- Primary responsibility was to contribute to a large dataset migration from four legacy key/value systems, which led to an annual cost savings of $10M+. Additional responsibilities: monitoring system health, fine tuning alerts, on-call support, cluster maintenance, etc.

Freelance, San Francisco — *Software Engineer, Front End*
2017-Present

Frontend engineer for various projects in different capacities, including:

- DecisionNext - https://decisionnext.com d3, React
- Pure Project - https://purebrewing.org Shopify
- Tucker & Bloom - https://tuckerandbloom.com Shopify
- Quartet Health - https://quartethealth.com Wordpress
- ElevateXP - https://elevateproductions.com Wordpress

SquareTrade, San Francisco — *Software Engineer, Front End*
2011 - 2017

- Full site rebrand and CMS upgrade (Drupal 5 to Drupal 7 migration)
- Developed custom CSS framework based off Bootstrap to provide mobile friendly experience
- Implemented mobile friendly redesign of major workflows - checkout, file-a-claim, registration
- Collaborated with webteam to establish company UI standards, improving the workflow & comms between design & engineering

WeissComm Group, San Francisco — *Web Developer*
2009 - 2011

Primary developer for WCG (now "Real Chemistry"), a digital agency for companies in medical device & pharma industry

- Implemented highly intricate website designs Coldfusion based CMS
- Notable clients included: Pfizer, MTV, Medtronic, Intuity Medical

Inter@ctivate/SiteLab Int., San Diego — *Web Developer*
2006 - 2009

- Began career developing emails, converted to Web Developer and produced frontend for clients in Real Estate & Produce industries
- In-house CMS ZIA (PHP), along with Joomla, Wordpress, Drupal
- Notable clients included: Jenny Craig, Wolfgang Puck, Sunkist, California Avocado Commission, John Laing Homes

EDUCATION

University of California, San Diego
BS Interdisciplinary Computing in the Arts Major (ICAM Music) 2001-2005
3.3 GPA; Music production with an emphasis of being agnostic to software. Pre-requisite courses included CS & Web Development